

# Uniting health and development in geography



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# Uniting Development and Health

## ■ **Reciprocal relationship**

## ■ **Current trends**

- De-values state-sponsored
- Favors NGOs and the private market
- Health care, drinking water

## ■ **Structural violence**

- Policies and practices of development (SAPs, loan contingencies, etc.)
- Unequal health experiences
- Direction and scale of influence

## ■ **Explicit violence**

# Development and Health

**Implication:**

Widening the  
health gap

# Common ground

- 3 case studies
- **Theme 1:** Policies enacted retrospectively, present health outcomes
- **Theme 2:** Exploration of social divisiveness of some policies
- **Theme 3:** The ways and degrees to which current development practices deepen vulnerabilities or marginalization for some

# Amber's Case Study

## Development, Vulnerability and Health in Nyabushozi county, Uganda



# Vulnerability

- Development trends
- Widening the health gap
- Vulnerability
  - Biophysical vulnerability
  - Social vulnerability
- Resilience

# Health, Vulnerability and Development

- Policies
  - Privatization
  - Creation of national park
- Resources inaccessible
- Water quality
- Water quantity
- Expected health impacts

# Case study details

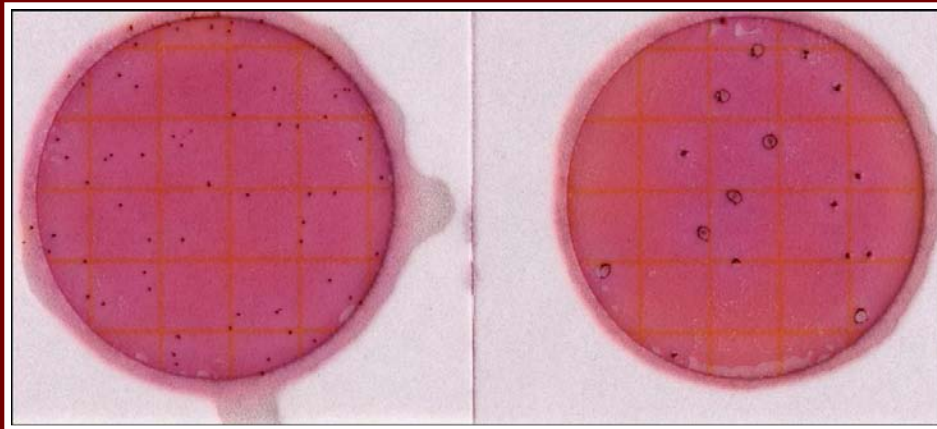
- Assessment of impacts of development policies and their implementation
- Policies:
  - Ranch Restructuring Scheme
  - Creation of Lake Mburo National Park
- Changes in resources
- Populations:
  - Bahima
  - Bairu
  - Migrants





# Pilot Work

- Bacterial contamination assessment
- Drinking water sources in 2 towns
- Measured relative levels, identified bacteria isolated
- Identified potential sources of contamination
- Noted water usage/sharing



<b>TABLE 1</b> <b>Amount of water used, households served and mean presumptive <i>E. coli</i> by source type and SIF score</b>			
Type, Score (n)	Mean $\ell$ drawn/d (SD)	Mean households served (SD)	Mean presumptive <i>E. coli</i> CFUs (SD)
<i>Borehole</i>			
SIF Score 2 (2)	370 (276)	77 (52)	0 (0)
SIF Score 4 (1)	40	20	0
SIF Score 5 (1)	4	2	1
<i>Farm pond</i>			
SIF Score 0 (16)	36 (55)	7 (7)	22 (34)
SIF Score 1 (25)	17 (21)	4 (5)	34 (64)
<i>Valley tank</i>			
SIF Score 0 (1)	175	40	6
SIF Score 1 (1)	120	40	2

# Next steps

## ■ Intentions

- Evidence of inequality
- Non-aggregated data
- Inform policy directions



## ■ Connect scales

- Individual health
- Understanding policy implementation process
- Understanding policy intention, source of impetus for change
- Large, transnational scale processes

# Closing Thoughts

- Integration of Health and Development
  - After-effects of development policies
  - Exacerbation of social stratification and inequality
  - Vulnerability and marginalization
- New possibilities



Partnering to  
Improve Global Health

Bill & Melinda Gates Foundation	Program for Appropriate Technology in Health
Fred Hutchinson Cancer Research Center	Seattle Biomedical Research Institute
UW School of Medicine	UW School of Public Health & Community Medicine
Institute for Systems Biology (ISB)	



# Questions?

